

Title (en)  
Multiple station through beam photoelectric sensor

Title (de)  
Mehrfacher Lichtschrankenfühler

Title (fr)  
Capteur multiple à barrière lumineuse

Publication  
**EP 0585760 B1 19970108 (EN)**

Application  
**EP 93113375 A 19930820**

Priority  
US 94013092 A 19920903

Abstract (en)  
[origin: EP0585760A1] Light emitting diodes (30) of a through beam photoelectric detector are positioned in a door (10) hinged (12) to a sensor body (8) in which the photodetector diodes (20) are located. The light emitting diodes (30) and photodetector diodes (20) are aligned to establish photoelectric sensors when the door (10) is closed upon the body(8). A base (6) provides a receptacle for attachment of the sensor, the base having a plug-in electrical terminal half (28) for receiving the connector prongs of a second half (26) of the connector (24) carried by the body(8). The connector (24) is symmetrical so that the sensor unit (4) may be installed to the base (6) in either of two operating positions spaced 180 degrees apart to enable the hinge (12) to be located at either the right-hand or left-hand side of the sensor unit (4) and of the stations to be sensed. LED indicators (46) for indicating the condition of the material being sensed at any of the stations are connected through printed circuitry (44) to the connector half (28) located within the base (6) so that the indicators (46) correspond to a particular sensing station regardless of the position of the sensor unit (4) on the base(6). <IMAGE>

IPC 1-7  
**G01N 21/85**; B65H 63/02

IPC 8 full level  
**G01D 5/34** (2006.01); **G01D 11/24** (2006.01); **G01V 8/20** (2006.01)

CPC (source: EP US)  
**G01D 5/342** (2013.01 - EP US); **G01D 11/24** (2013.01 - EP US); **G01V 8/20** (2013.01 - EP US)

Cited by  
EP1008836A1; EP0959371A3; US6354857B1; DE102012111450B4

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DE ES FR GB IT

DOCDB simple family (publication)  
**US 5256873 A 19931026**; DE 69307225 D1 19970220; DE 69307225 T2 19970515; EP 0585760 A1 19940309; EP 0585760 B1 19970108; ES 2096818 T3 19970316

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